

Human-AHCTF1 (S1232) Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20765b

Product Information

Application	WB, E
Primary Accession	Q8WYP5
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB46675
Calculated MW	252498

Additional Information

Gene ID	25909
Other Names	Protein ELYS, Embryonic large molecule derived from yolk sac, Protein MEL-28, Putative AT-hook-containing transcription factor 1, AHCTF1, ELYS, TMBS62
Target/Specificity	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1210-1260 amino acids from human.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Human-AHCTF1 (S1232) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	AHCTF1
Synonyms	ELYS, TMBS62
Function	Required for the assembly of a functional nuclear pore complex (NPC) on the surface of chromosomes as nuclei form at the end of mitosis. May initiate NPC assembly by binding to chromatin and recruiting the Nup107-160

subcomplex of the NPC. Also required for the localization of the Nup107-160 subcomplex of the NPC to the kinetochore during mitosis and for the completion of cytokinesis.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q8CJF7}. Nucleus. Nucleus envelope Nucleus matrix. Chromosome, centromere, kinetochore Nucleus, nucleoplasm. Nucleus, nuclear pore complex. Note=Localizes to the nuclear pore complex (NPC) throughout interphase. Localizes to the kinetochore from prophase, and this appears to require the Nup107-160 subcomplex of the NPC. Localizes to the periphery of chromatin from late anaphase.

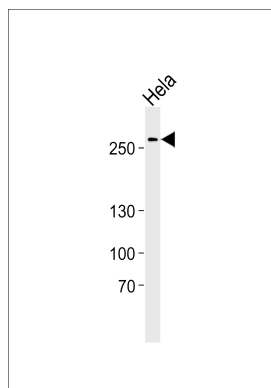
Background

Required for the assembly of a functional nuclear pore complex (NPC) on the surface of chromosomes as nuclei form at the end of mitosis. May initiate NPC assembly by binding to chromatin and recruiting the Nup107-160 subcomplex of the NPC. Also required for the localization of the Nup107-160 subcomplex of the NPC to the kinetochore during mitosis and for the completion of cytokinesis.

References

Kimura N.,et al.Genes Cells 7:435-446(2002).
Lightfoot J.,et al.Submitted (OCT-2002) to the EMBL/GenBank/DDBJ databases.
Gregory S.G.,et al.Nature 441:315-321(2006).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Liu B.,et al.Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of lysate from HeLa cell line, using Phospho-human-AHCTF1 (S1232). ctrl(Cat. #AP20765b). AP20765b was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.